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Generate Collection

L14: Entry 29 of 32

File → JPAB

Jul 5, 1989

PUB-NO: JP401170102A

JP 1-170102

DOCUMENT-IDENTIFIER: JP 01170102 A

TITLE: MICROWAVE DIELECTRIC RESONATOR DEVICE

PUBN-DATE: July 5, 1989

INVENTOR- INFORMATION:

NAME

COUNTRY

TANAKA, TOSHIHIDE

ASSIGNEE- INFORMATION:

NAME

COUNTRY

MATSUSHITA ELECTRIC IND CO LTD

APPL-NO: JP62328557

APPL-DATE: December 24, 1987

US-CL-CURRENT: 333/219.1

INT-CL (IPC): H01P 7/10; H01L 39/00; H01P 1/20; H03B 5/18

ABSTRACT:

PURPOSE: To improve the inserting loss and frequency selectivity characteristics of a filter by composing the tip of a post for adjusting a resonance frequency of a superconductor in a microwave dielectric resonator device.

CONSTITUTION: The dielectric resonator device is composed of passing type waveguides 1, a shielding waveguide 2 connected in the middle of them, dielectric resonators 3, 4 and 5 arranged in the waveguide 2, and superconductor plates 9∼11 fitted to the tips of adjusting posts 6∼8 to adjust the frequency characteristic of a band-pass filter. Since the tips of the posts 6∼8 are composed of the superconductors 9∼11 in such a way, the change of the Q of a dielectric resonator due to the adjustment of the resonance frequency cannot be generated, and only the resonance frequency can be changed.

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L12: Entry 1 of 4

File: JPAB

Aug 3, 2001

PUB-NO: JP02001211004A

JP 2001-211004

DOCUMENT-IDENTIFIER: JP 2001211004 A

TITLE: SUPERCONDUCTING FILTER

PUBN-DATE: August 3, 2001

INVENTOR INFORMATION:

NAME

COUNTRY

MURAYAMA, KYOHEI

ASSIGNEE- INFORMATION:

NAME

COUNTRY

DAIKIN IND LTD

APPL-NO: JP2000021829

APPL-DATE: January 26, 2000

INT-CL (IPC): H01 P 1/203; H01 L 39/00

ABSTRACT:

PROBLEM TO BE SOLVED: To perform superponducting filter tuning without decreasing Q.

SOLUTION: At the inner bottom part of a metal case 7, a superconducting filter main body is fixed. The superconducting filter main body is provided by forming an arranging plane 3 on the bottom plane of a first dielectric base 2 and by forming a superconducting resonator pattern 1 on the upper plane. And then, at the upper part of the superconducting filter main body, a second dielectric base 5 having a shielding plane 6 composed of superconducting thin film on the upper plane is installed to freely move up and down. A bolt member 13 that penetrates the upper part of the metal case 7 and is freely turnable is provided, and a female screw member 14 that engages with the bolt member 13 is provided on the upper plane of the shield plane 6.

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WEST Search History

DATE: Monday, March 31, 2003

<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
side by side		result set	
<i>DB =USPT; PLUR YES; OP =ADJ</i>			
L18	l17 and distance	84	L18
L17	(superconduct\$ with (tip or end)) and (filter or resonator)	169	L17
<i>DB =JPAB; PLUR YES; OP =ADJ</i>			
L16	superconduct\$ and (tip or end) and (filter or resonator)	34	L16
L15	superconduct\$ and tip	229	L15
L14	L13 and (adjust\$)	32	L14
L13	L10 and superconduct\$	293	L13
L12	L11 and superconduct\$	4	L12
L11	L10 and (tune or tuned or tuning or tunable)	1619	L11
L10	resonator or filter	186246	L10
<i>DB =USPT; PLUR YES; OP =ADJ</i>			
L9	l8 and distance	281	L9
L8	L7 and (333/\$.ccls. or 505/\$.ccls.)	619	L8
L7	L6 and (tune or tuned or tuning or tunable)	5657	L7
L6	(filter or resonator) and (high q or high quality)	32045	L6
L5	(filter or resonator) and te011 and (tune or tunable or tuned or tuning)	7	L5
L4	L1 and te011	1	L4
L3	L2 and superconduct\$	11	L3
L2	L1 and (tuned or tunable or tuning)	125	L2
L1	filter and ((q or quality) with 10000)	449	L1

END OF SEARCH HISTORY